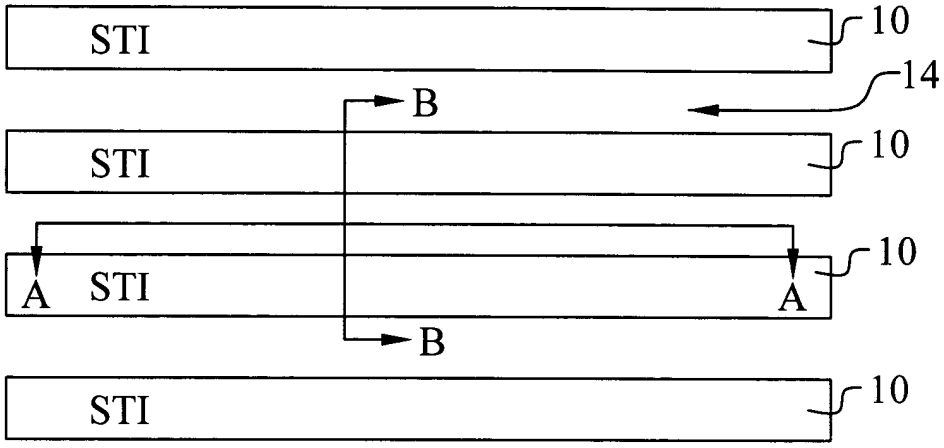

FIG. 1

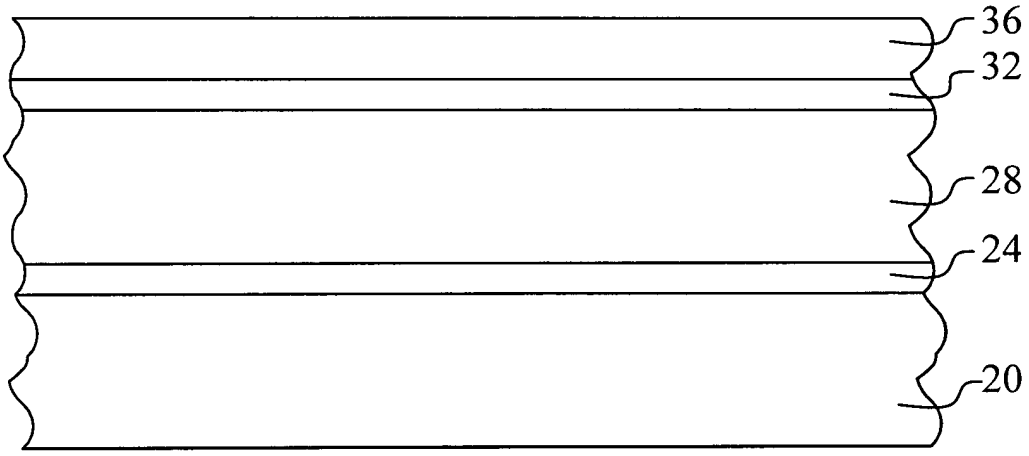

FIG. 1A

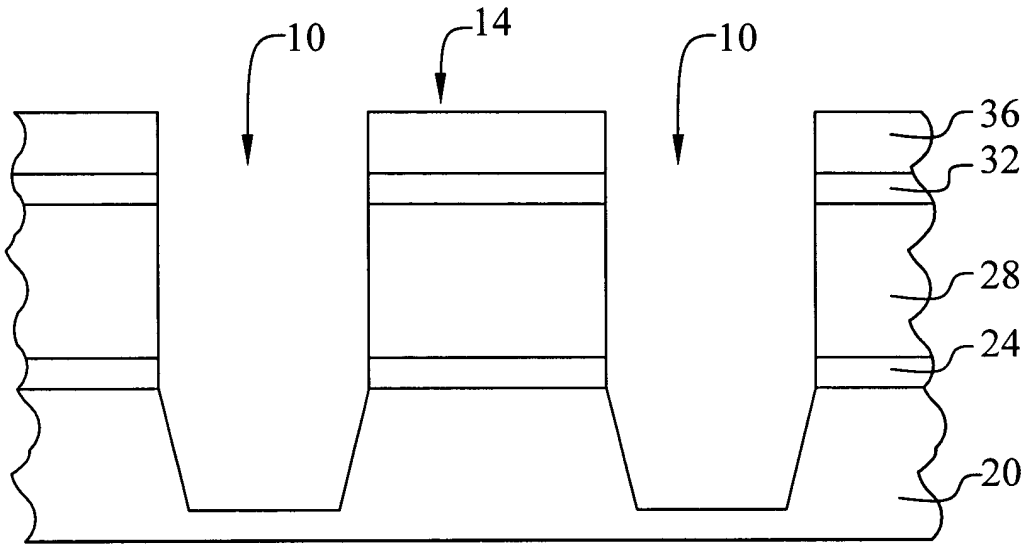

FIG. 1B

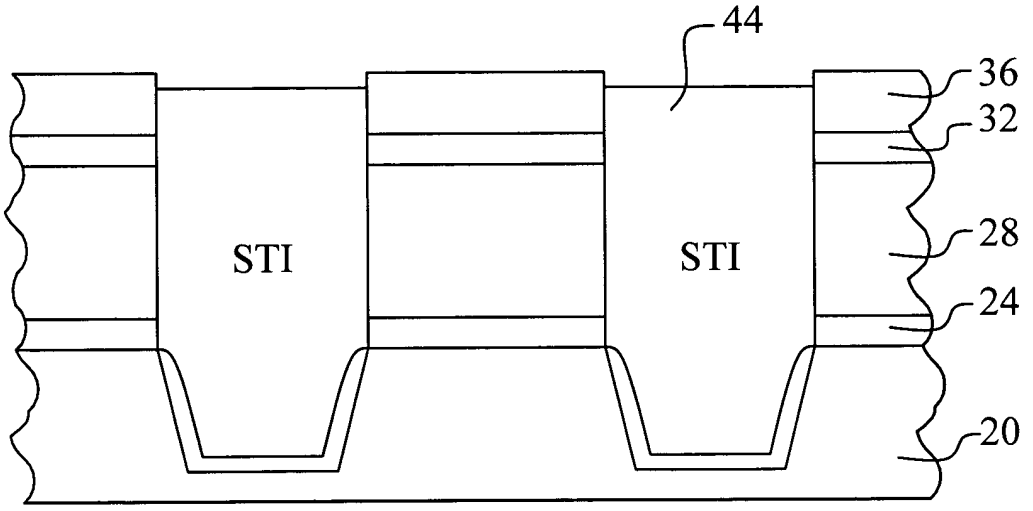

FIG. 2B

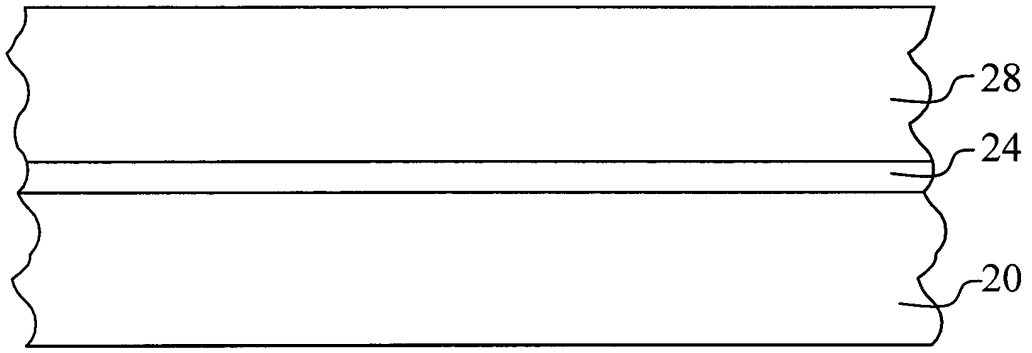

FIG. 3A

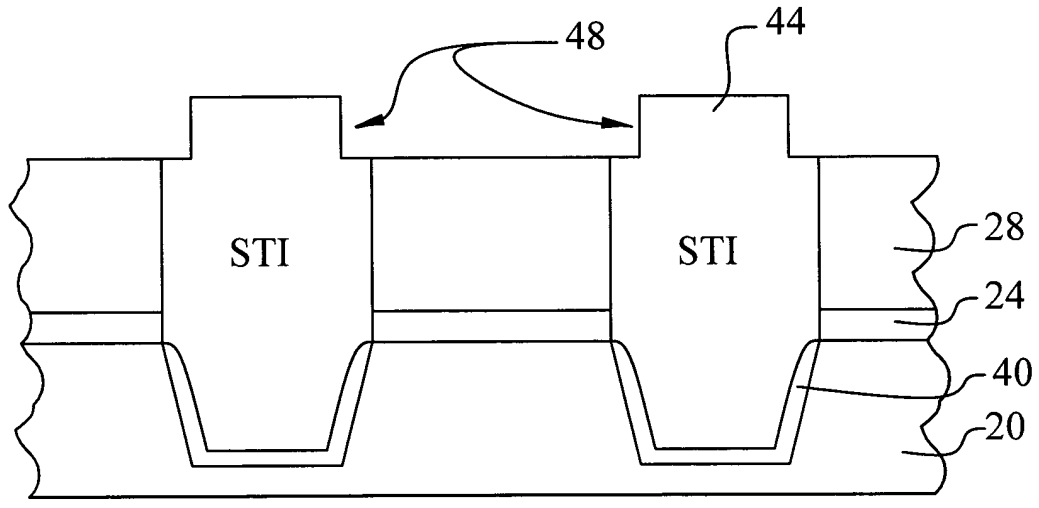

FIG. 3B

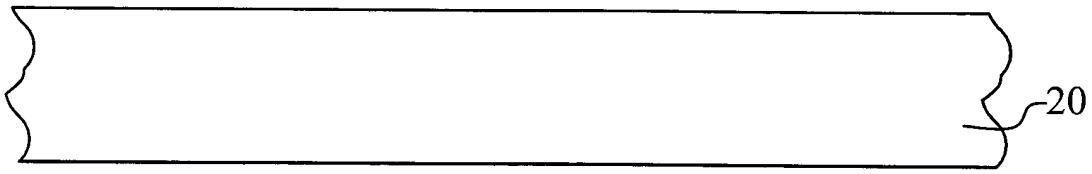

FIG. 4A

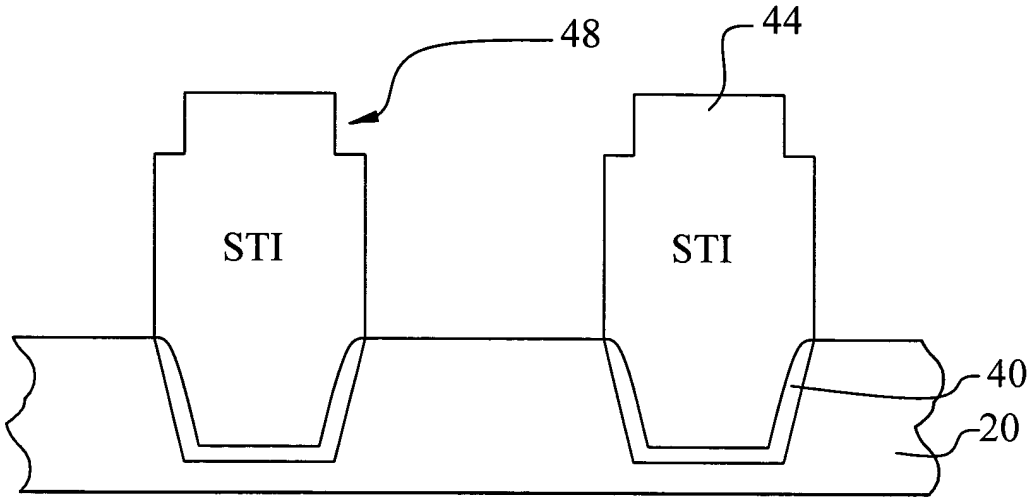

FIG. 4B

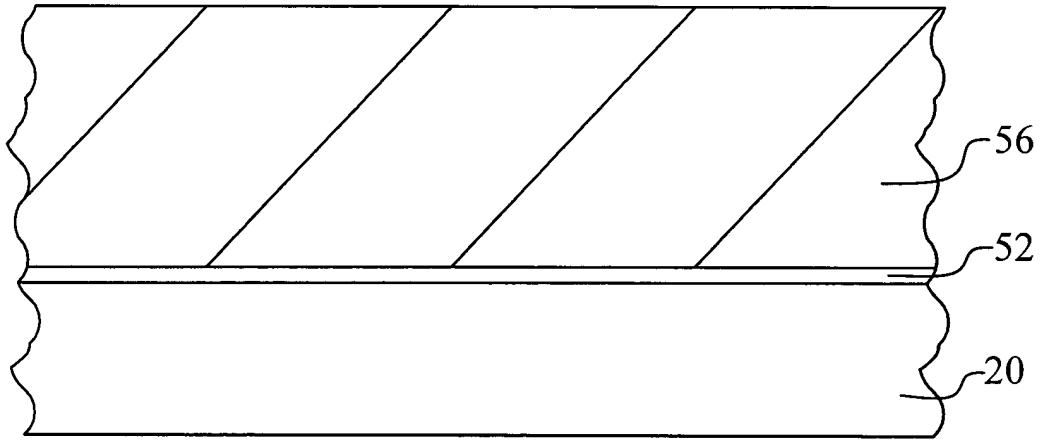

FIG. 5A

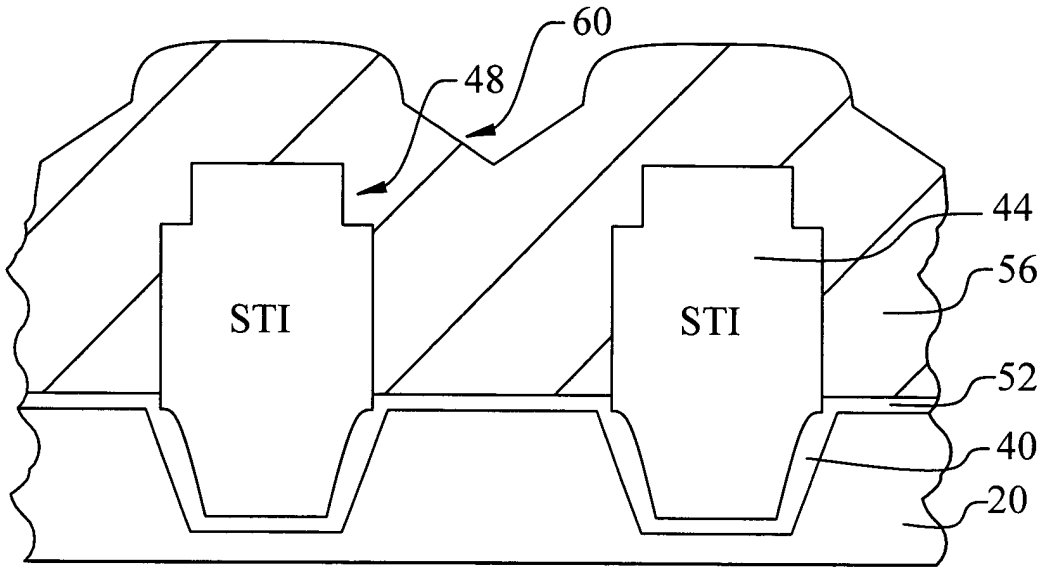
60
48
44
56
STI
STI
52
40
20

FIG. 5B

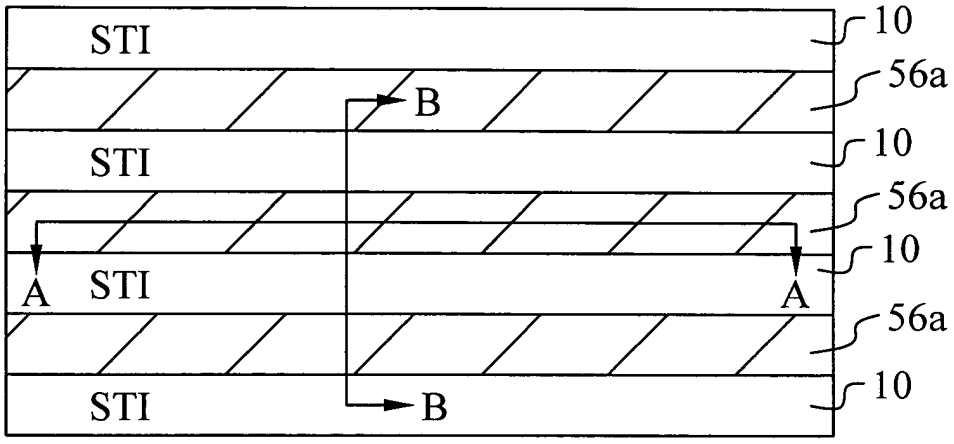
STI
10
56a
B
STI
10
56a
A
STI
A
10
56a
STI
B
10

FIG. 6

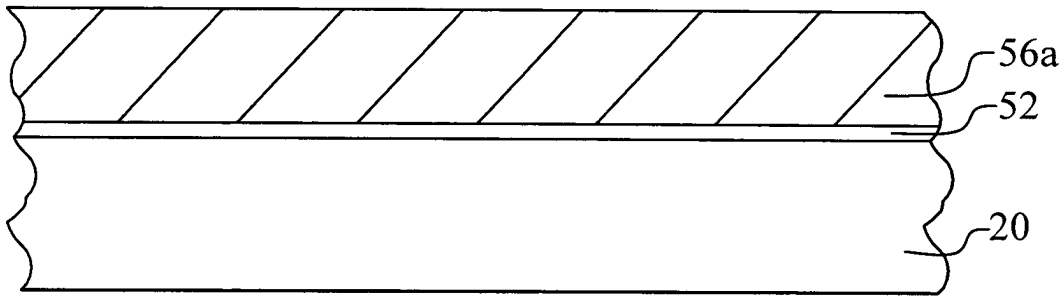

FIG. 6A

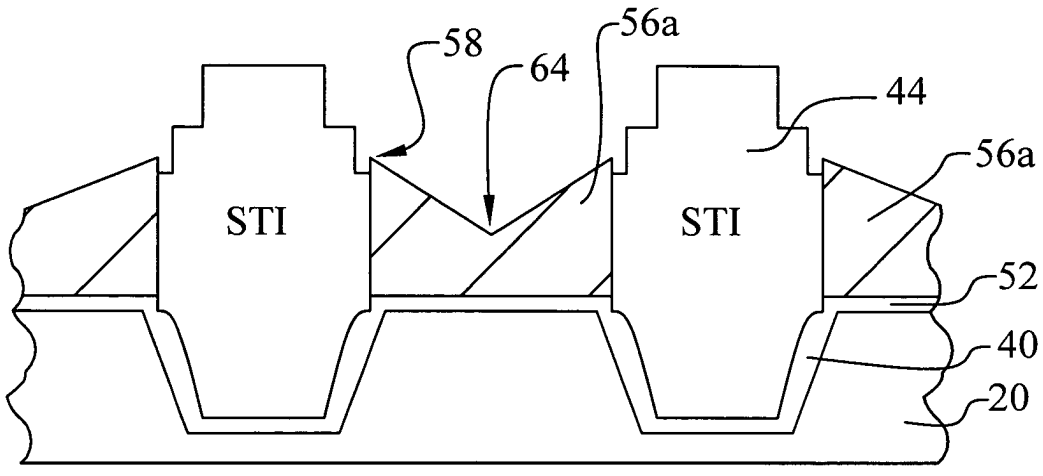

FIG. 6B

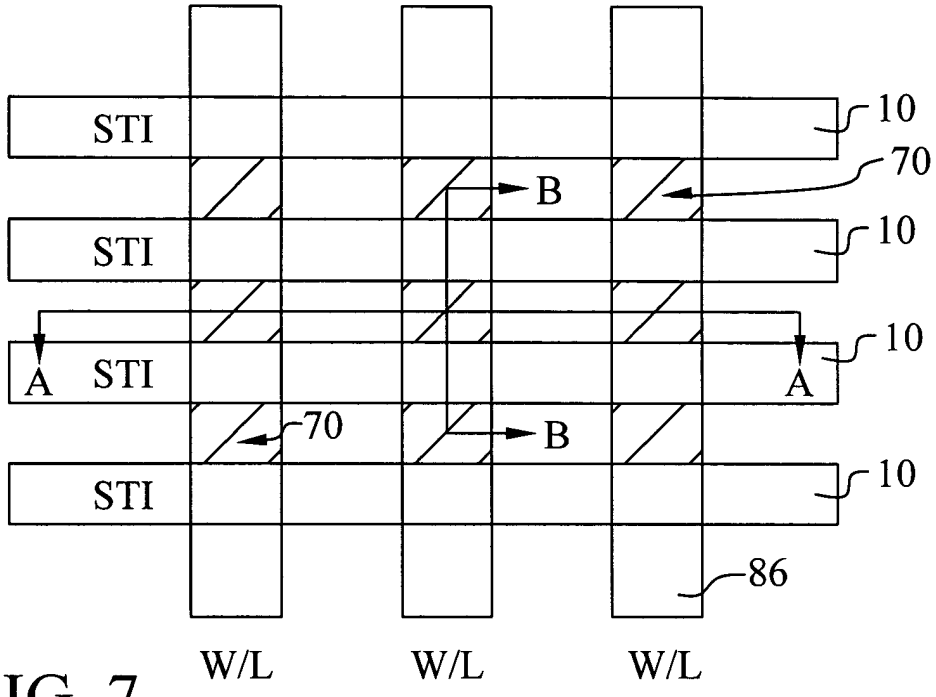
STI
STI
STI
STI
A
A
B
B
70
70
10
10
10
10
86
W/L
W/L
W/L

FIG. 7

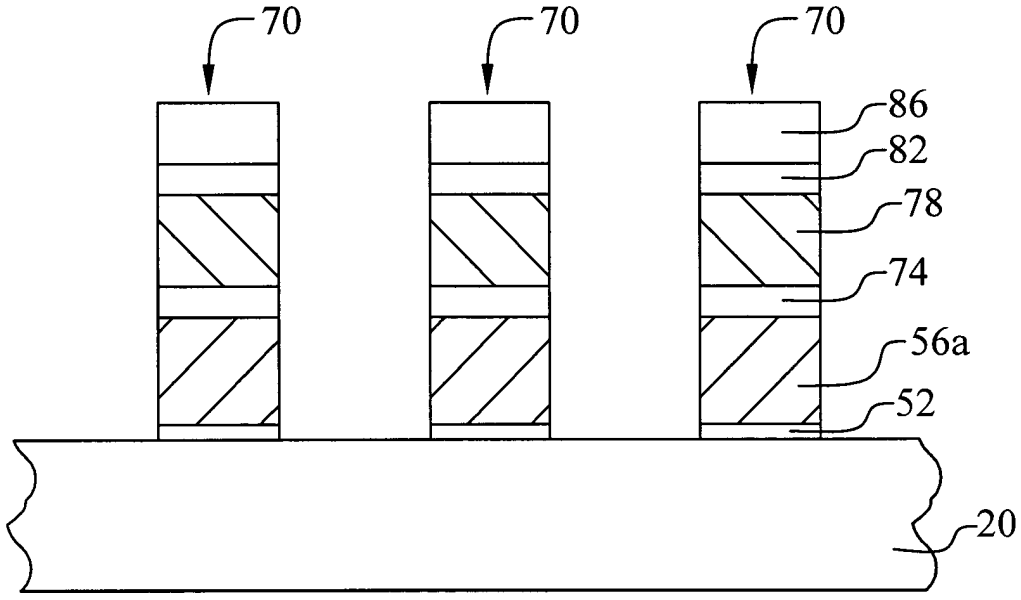
70
70
70
86
82
78
74
56a
52
20

FIG. 7A

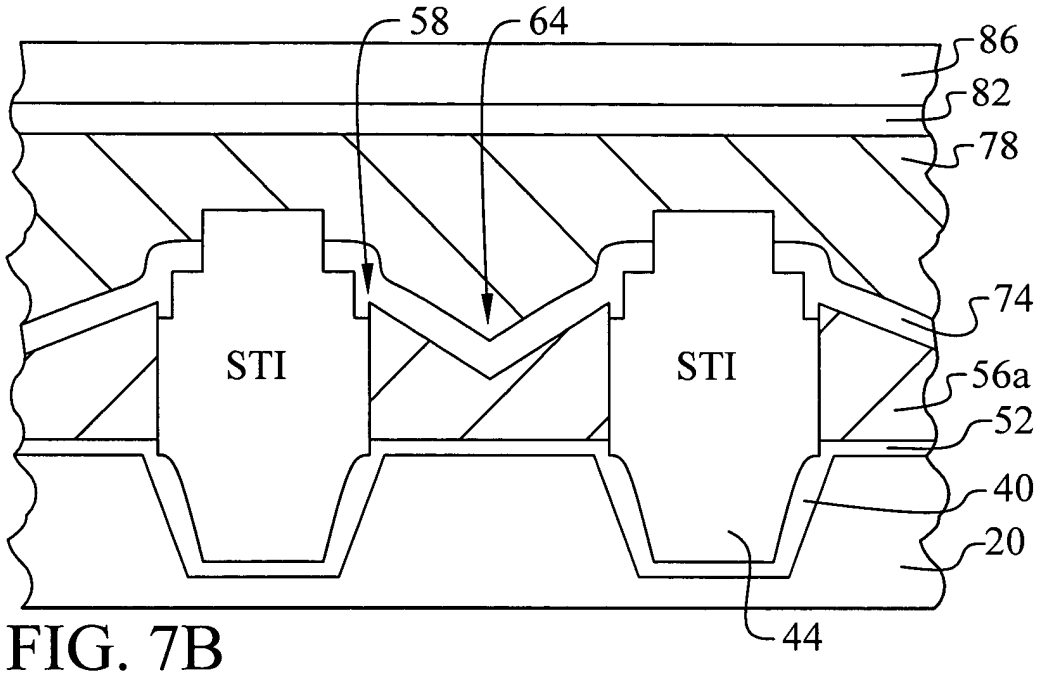
58
64
86
82
78
74
STI
STI
56a
52
40
20
44

FIG. 7B

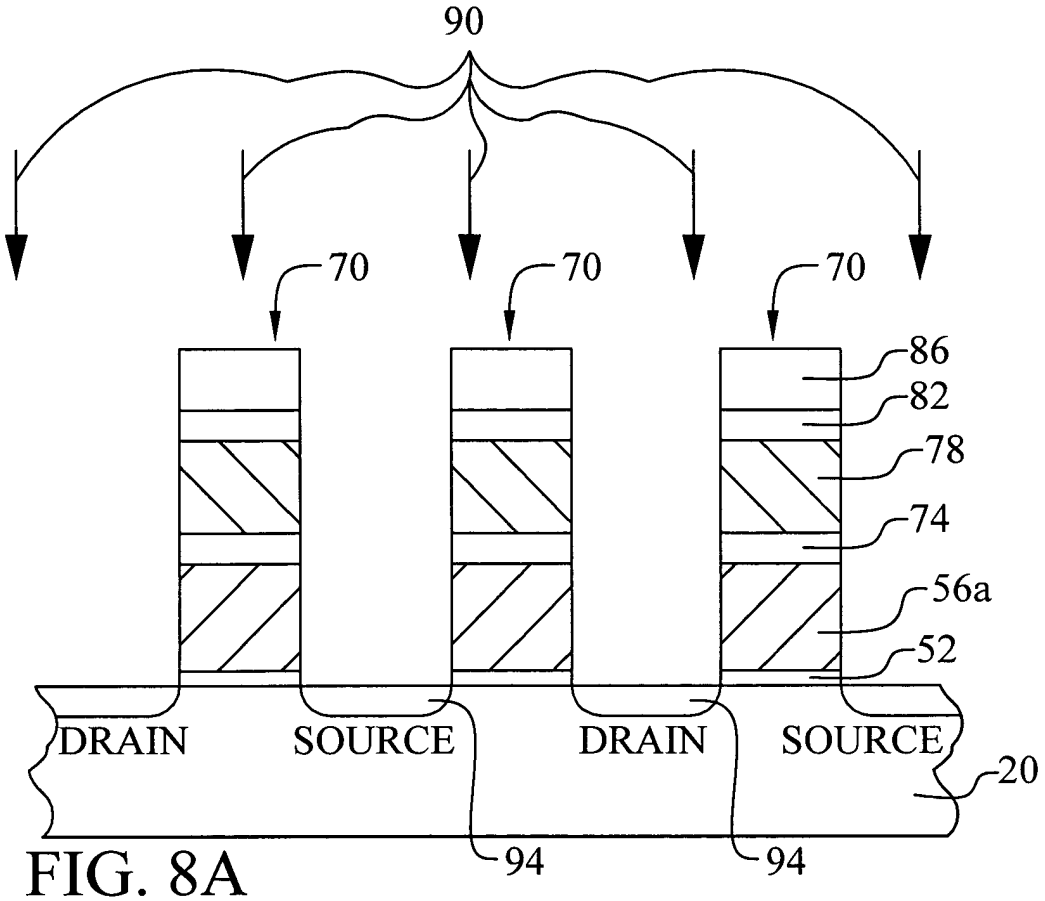
90
70
70
70
86
82
78
74
56a
52
DRAIN
SOURCE
DRAIN
SOURCE
20
94
94

FIG. 8A

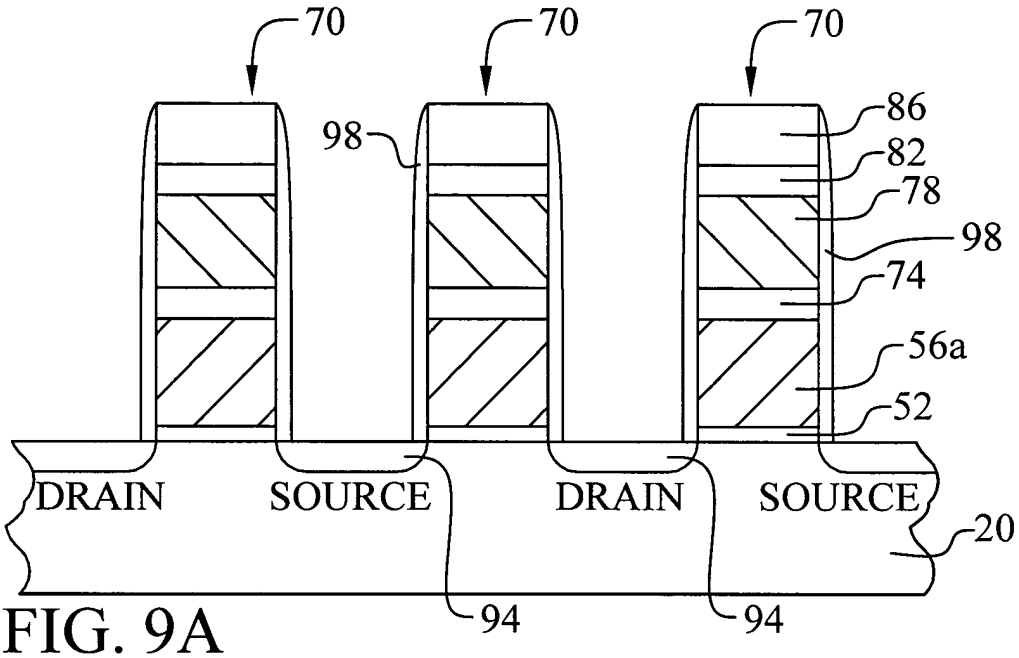

FIG. 9A

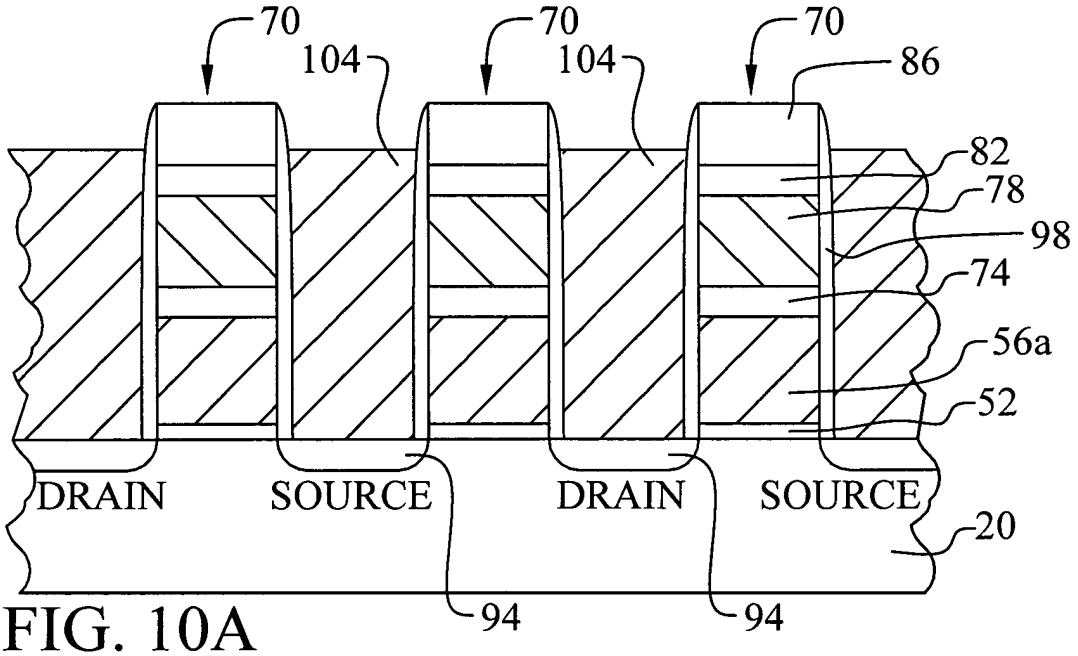

FIG. 10A

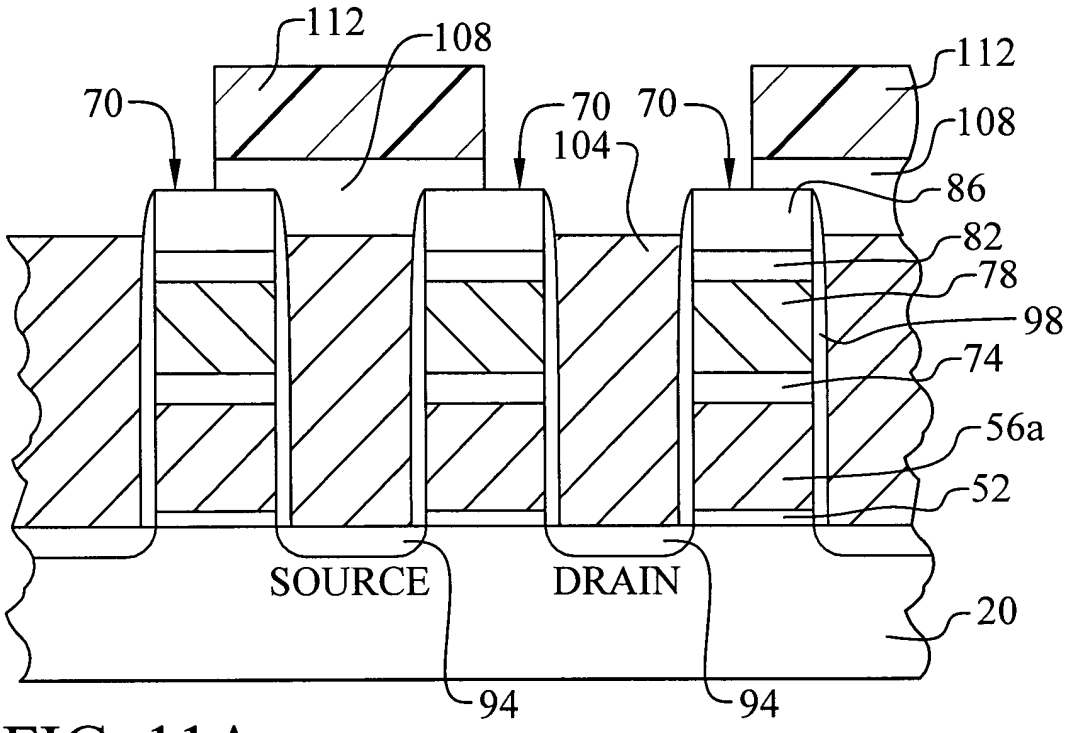
112
108
70
70
70
104
112
108
86
82
78
98
74
56a
52
SOURCE
DRAIN
20
94
94

FIG. 11A

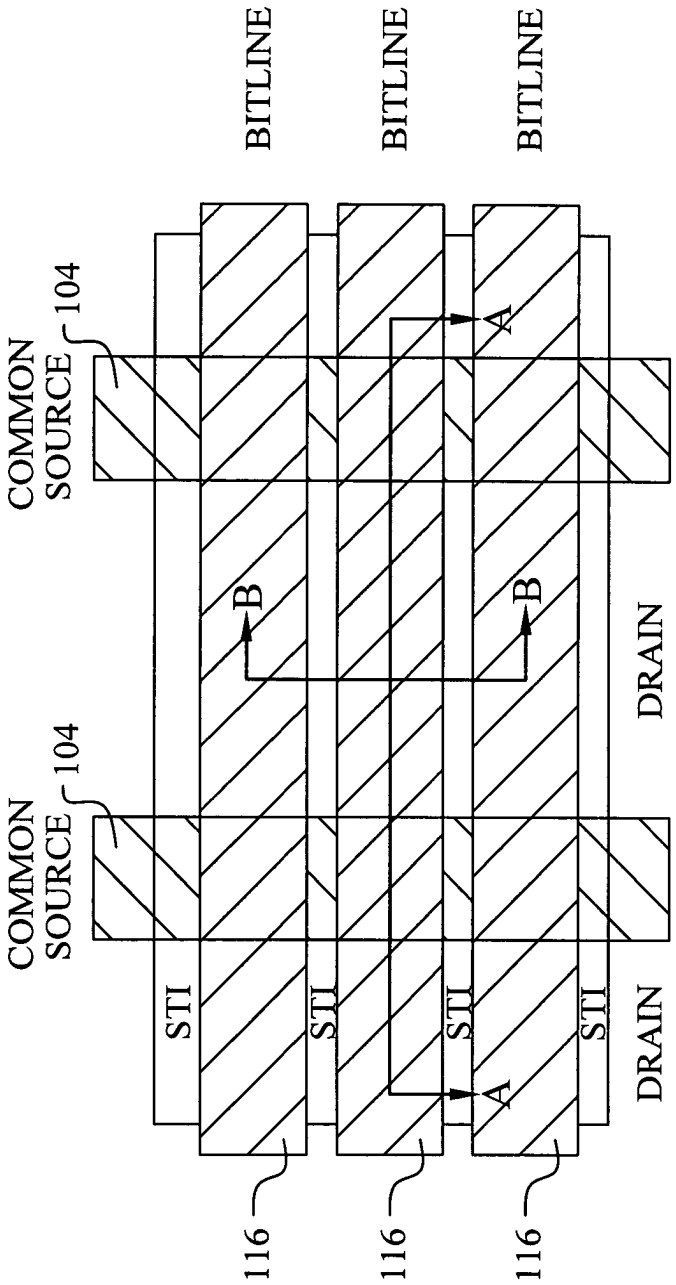
BITLINE
BITLINE
BITLINE
COMMON SOURCE
104
COMMON SOURCE
104
A
A
B
B
DRAIN
DRAIN
STI
STI
STI
STI
116
116
116

FIG. 12

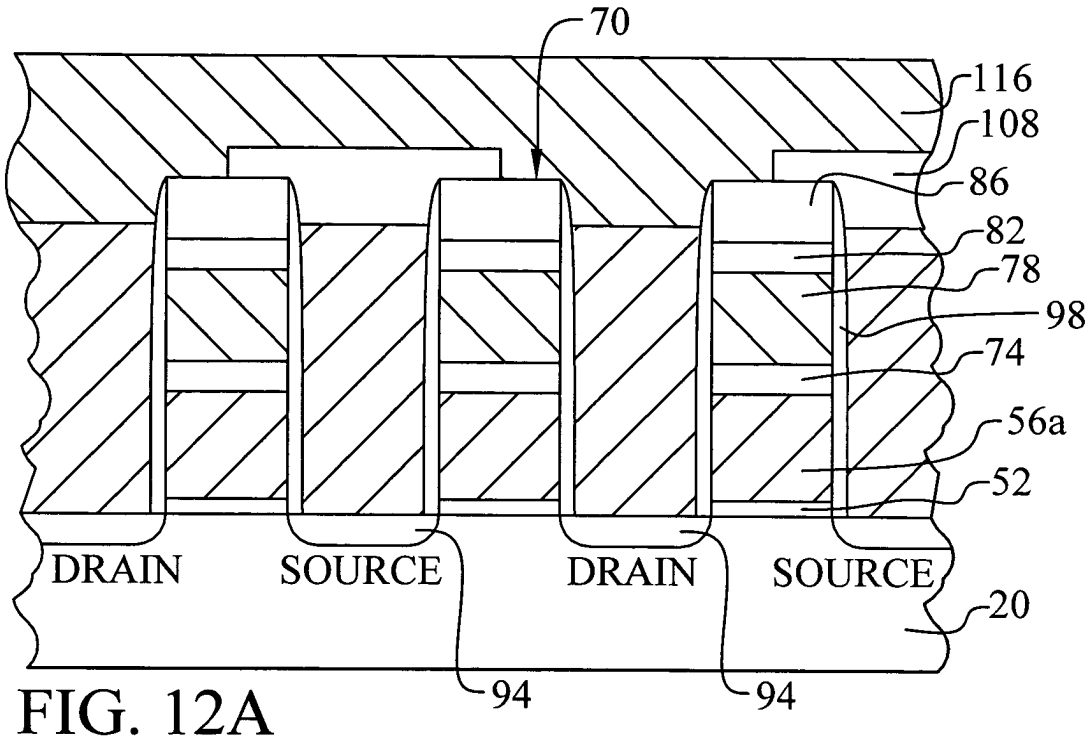

FIG. 12A

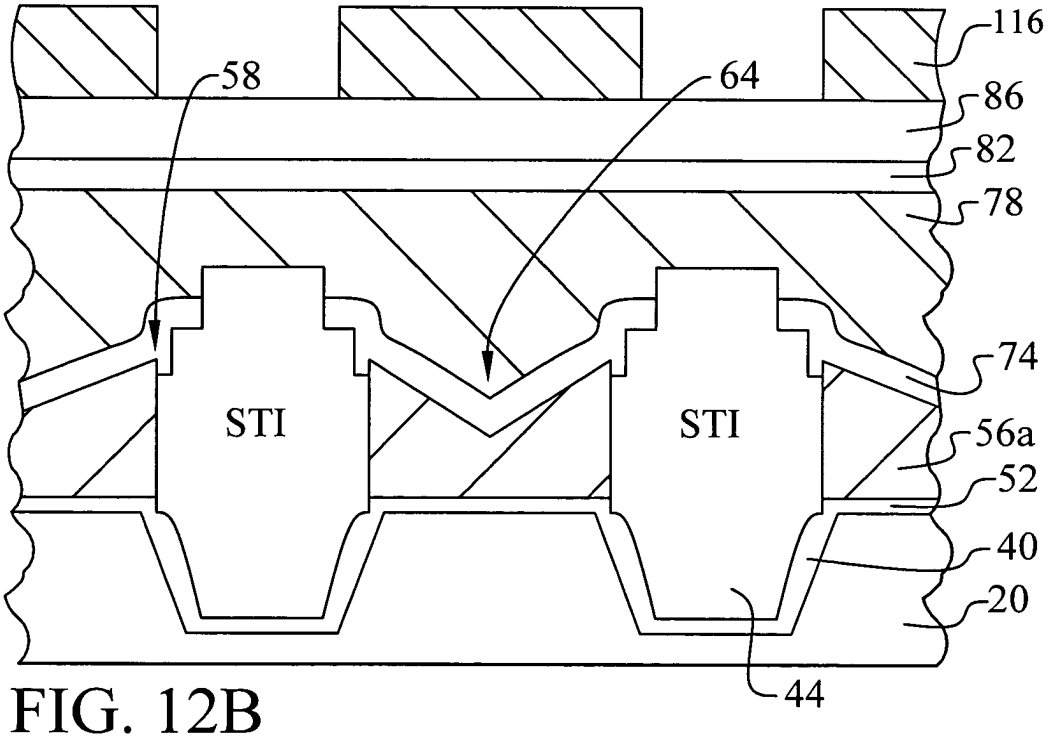

FIG. 12B